

Table 33. Employed doctoral scientists and engineers, by occupation and citizenship status: 2001

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Occupation	Total	U.S. citizen			Non-U.S. citizen		
		Total	Native born	Naturalized	Total	Permanent resident	Temporary resident
[Number]							
All occupations.....	574,890	518,110	440,940	77,170	56,780	39,980	16,800
Scientists.....	352,320	316,700	277,120	39,580	35,610	24,480	11,140
Computer and information scientists.....	34,660	27,080	19,910	7,170	7,580	5,360	2,220
Computer/information scientists.....	28,300	21,550	15,780	5,770	6,750	4,770	1,970
Postsecondary teachers, computer sciences.....	6,360	5,530	4,130	1,400	830	590	240
Mathematical scientists.....	21,900	18,610	15,570	3,030	3,290	2,150	1,140
Mathematical scientists.....	8,520	6,930	5,480	1,450	1,580	1,060	530
Postsecondary teachers, math sciences.....	13,390	11,680	10,100	1,580	1,710	1,100	610
Life and related scientists.....	107,850	95,580	83,380	12,200	12,260	8,180	4,080
Agricultural and food scientists.....	8,780	7,780	6,730	1,050	1,000	510	490
Biological scientists, excluding medical scientists.....	33,210	27,970	24,200	3,770	5,240	3,460	1,780
Medical scientists.....	28,670	24,390	20,180	4,210	4,280	2,700	1,580
Forestry and conservation scientists.....	1,120	1,120	1,090	S	S	S	S
Postsecondary teachers, biological sciences.....	22,190	21,210	19,490	1,720	980	830	160
Postsecondary teachers, other life and related sciences.....	13,880	13,130	11,690	1,440	750	680	70
Physical and related scientists.....	73,840	67,030	57,310	9,720	6,820	4,590	2,230
Chemists, except biochemistry.....	24,220	21,500	17,540	3,960	2,720	1,620	1,100
Earth scientists.....	8,910	7,980	7,080	900	940	570	360
Physics and astronomers.....	13,960	12,410	10,580	1,840	1,540	1,040	510
Other physical scientists.....	1,140	1,080	990	90	60	S	S
Postsecondary teachers, chemistry.....	11,220	10,610	9,580	1,030	610	460	150
Postsecondary teachers, physics.....	8,070	7,500	6,020	1,480	570	490	80
Postsecondary teachers, other physical and related sciences.....	6,330	5,950	5,520	430	380	360	S
Social scientists.....	47,200	42,880	38,500	4,380	4,320	3,120	1,200
Economists.....	7,520	6,300	5,570	730	1,220	670	550
Political scientists.....	1,430	1,390	1,280	110	S	S	S
Sociologists and anthropologists.....	3,800	3,700	3,490	200	100	80	S
Other social scientists.....	2,360	2,280	2,120	160	80	80	S
Postsecondary teachers, economics	8,870	7,520	6,370	1,150	1,350	960	390
Postsecondary teachers, political science	8,400	7,940	7,110	830	460	410	50
Postsecondary teachers, sociology	7,180	6,740	6,090	650	440	370	70
Postsecondary teachers, other social sciences	7,650	7,020	6,470	550	630	530	100
Psychologists.....	66,860	65,520	62,450	3,070	1,340	1,070	270
Psychologists.....	49,840	48,930	46,580	2,350	920	790	130
Postsecondary teachers, psychology.....	17,020	16,590	15,870	720	430	280	140
Engineers.....	75,420	62,490	44,510	17,980	12,930	8,860	4,070
Aerospace/aeronautical engineers.....	4,280	4,050	3,020	1,030	230	180	S
Chemical engineers.....	7,980	6,370	4,530	1,840	1,610	1,270	340
Civil and architectural engineers.....	4,000	3,000	1,930	1,060	1,010	710	300
Electrical and related engineers.....	16,110	12,290	8,380	3,910	3,820	2,400	1,430
Materials/metallurgical engineers.....	1,330	1,070	820	250	260	170	100
Mechanical engineers.....	8,320	6,730	4,380	2,350	1,590	1,120	470
Other engineers.....	16,530	13,850	10,770	3,080	2,680	1,590	1,090
Postsecondary teachers, engineering.....	16,870	15,130	10,690	4,440	1,730	1,430	300
Non-S&E occupations.....	147,150	138,910	119,300	19,610	8,240	6,640	1,590
Top/mid-level managers, administrators, etc.....	76,190	72,660	61,660	11,000	3,530	2,920	610
Health and related occupations.....	17,260	16,380	13,840	2,540	880	680	200
Teachers, except S&E postsecondary teachers.....	23,330	22,060	19,920	2,130	1,280	1,030	250
Technicians/technologists.....	7,030	5,620	4,250	1,370	1,410	1,020	390
Sales and marketing occupations.....	6,600	6,030	4,910	1,120	570	500	70
Other non-S&E occupations.....	16,740	16,160	14,710	1,450	580	490	90

See explanatory information and SOURCE at end of table.

Table 33. Employed doctoral scientists and engineers, by occupation and citizenship status: 2001

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Occupation	Total	U.S. citizen			Non-U.S. citizen		
		Total	Native born	Naturalized	Total	Permanent resident	Temporary resident
	[Percent]						
All occupations.....	100.0	90.1	76.7	13.4	9.9	7.0	2.9
Scientists.....	100.0	89.9	78.7	11.2	10.1	6.9	3.2
Computer and information scientists.....	100.0	78.1	57.4	20.7	21.9	15.5	6.4
Computer/information scientists.....	100.0	76.2	55.8	20.4	23.8	16.9	7.0
Postsecondary teachers, computer sciences.....	100.0	86.9	64.9	22.0	13.1	9.3	3.8
Mathematical scientists.....	100.0	85.0	71.1	13.8	15.0	9.8	5.2
Mathematical scientists.....	100.0	81.4	64.3	17.1	18.6	12.4	6.2
Postsecondary teachers, math sciences.....	100.0	87.2	75.4	11.8	12.8	8.2	4.6
Life and related scientists.....	100.0	88.6	77.3	11.3	11.4	7.6	3.8
Agricultural and food scientists.....	100.0	88.6	76.6	11.9	11.4	5.8	5.6
Biological scientists, excluding medical scientists.....	100.0	84.2	72.9	11.3	15.8	10.4	5.4
Medical scientists.....	100.0	85.1	70.4	14.7	14.9	9.4	5.5
Forestry and conservation scientists.....	100.0	100.0	97.4	S	S	S	S
Postsecondary teachers, biological sciences.....	100.0	95.6	87.8	7.7	4.4	3.7	0.7
Postsecondary teachers, other life and related sciences.....	100.0	94.6	84.2	10.4	5.4	4.9	0.5
Physical and related scientists.....	100.0	90.8	77.6	13.2	9.2	6.2	3.0
Chemists, except biochemistry.....	100.0	88.8	72.4	16.3	11.2	6.7	4.5
Earth scientists.....	100.0	89.5	79.4	10.1	10.5	6.4	4.1
Physics and astronomers.....	100.0	89.0	75.8	13.2	11.0	7.4	3.6
Other physical scientists.....	100.0	94.8	86.5	8.3	5.2	S	S
Postsecondary teachers, chemistry.....	100.0	94.6	85.4	9.1	5.4	4.1	1.4
Postsecondary teachers, physics.....	100.0	92.9	74.6	18.3	7.1	6.1	1.0
Postsecondary teachers, other physical and related sciences.....	100.0	94.0	87.3	6.7	6.0	5.8	S
Social scientists.....	100.0	90.8	81.6	9.3	9.2	6.6	2.5
Economists.....	100.0	83.8	74.1	9.7	16.2	8.9	7.3
Political scientists.....	100.0	96.7	89.2	7.5	S	S	S
Sociologists and anthropologists.....	100.0	97.3	91.9	5.4	2.7	2.1	S
Other social scientists.....	100.0	96.6	89.8	6.8	3.4	3.4	S
Postsecondary teachers, economics	100.0	84.8	71.8	13.0	15.2	10.8	4.4
Postsecondary teachers, political science	100.0	94.5	84.7	9.9	5.5	4.8	0.6
Postsecondary teachers, sociology	100.0	93.9	84.8	9.0	6.1	5.2	0.9
Postsecondary teachers, other social sciences	100.0	91.8	84.6	7.2	8.2	6.9	1.3
Psychologists.....	100.0	98.0	93.4	4.6	2.0	1.6	0.4
Psychologists.....	100.0	98.2	93.4	4.7	1.8	1.6	0.3
Postsecondary teachers, psychology.....	100.0	97.5	93.3	4.2	2.5	1.7	0.8
Engineers.....	100.0	82.9	59.0	23.8	17.1	11.8	5.4
Aerospace/aeronautical engineers.....	100.0	94.7	70.6	24.1	5.3	4.2	S
Chemical engineers.....	100.0	79.9	56.8	23.1	20.1	15.9	4.2
Civil and architectural engineers.....	100.0	74.8	48.2	26.6	25.2	17.8	7.4
Electrical and related engineers.....	100.0	76.3	52.0	24.3	23.7	14.9	8.8
Materials/metallurgical engineers.....	100.0	80.3	61.4	18.9	19.7	12.5	7.2
Mechanical engineers.....	100.0	80.9	52.6	28.3	19.1	13.4	5.6
Other engineers.....	100.0	83.8	65.1	18.7	16.2	9.6	6.6
Postsecondary teachers, engineering.....	100.0	89.7	63.4	26.3	10.3	8.5	1.8
Non-S&E occupations.....	100.0	94.4	81.1	13.3	5.6	4.5	1.1
Top/mid-level managers, administrators, etc.....	100.0	95.4	80.9	14.4	4.6	3.8	0.8
Health and related occupations.....	100.0	94.9	80.2	14.7	5.1	3.9	1.1
Teachers, except S&E postsecondary teachers.....	100.0	94.5	85.4	9.1	5.5	4.4	1.1
Technicians/technologists.....	100.0	80.0	60.5	19.5	20.0	14.5	5.5
Sales and marketing occupations.....	100.0	91.3	74.4	16.9	8.7	7.6	1.0
Other non-S&E occupations.....	100.0	96.5	87.8	8.7	3.5	2.9	0.5

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases). S&E=science and engineering.

NOTES: Numbers are rounded to nearest ten. Details may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients